

A VERBAL AND

VISUAL FORUM

FOR MINDS

IN THE SCHOOL OF

ARCHITECTURE

DIRECTORY:

ARCHITECTURAL ARTEFACT REDEFINED

THE PROBLEM OF THE ANGELS

DRAWING AT MIT

REVIEWS:

M ARCH. THESIS

NOTESCALENDAR

PAGE 1

PAGE 1

PAGE 3

PAGE 4

PAGE 9

PAGE 6



THRESH

VOLUME 1: MARCH 30

CO-EDITORS

LEAH J. MCGAVERN

ALONA NITZAN-SHIFTAN

Architectural Artefact Redefined: The Significance of Architectural Drawing as Part of the Cultural Heritage

By Aysen Savas

The International Working party for the Documentation and Conservation of buildings, sites, and neighborhoods of the Modern Movement, DO CO MO MO, was initiated in 1988 by the University of Technology in Eindhoven, the Netherlands. Its purpose was, first, to further a research project aimed at preserving modern buildings and, second, to create a platform for discussion among experts. To this date, sixteen countries have joined: Austria, Belgium, Brazil, the BRD, Czechoslovakia, the DDR, England, France, Finland, Hungary, Italy, Sweden, Spain, Switzerland, the Soviet Union and the Netherlands.

Neither the first conference of this organization, nor subsequent publications, have generated a tremendous impact on architectural discourse, particularly on the side of the Atlantic. However, the rather unexpected attempt to preserve selected examples of modern architecture from the 1920's and the 1930's did initiate a series of interesting questions. Wessel Rinink, from the University of Utrecht, summarizes the complexity of this issue in a paper entitled, "Controversy between functionalism and restoration: keep Zonnestraal for eternity as a ruin." By identifying certain buildings and suggesting their preservation, he says, DO CO MO MO declared a beginning and an end to the Modern Movement. The first question that should be raised by this assumption is: How is the reasoning behind the protection of modern buildings from deterioration different from the protection of historical cities, which have been discussed extensively since the end of the Second World War? If the Modern Movement has already become part of architectural history, does this new organization really the continuation of preservationist tendencies in architecture?

Specialized institutions devoted to architecture, such as the archives of modern architecture, architectural galleries, research centers, libraries, and, finally, museums—established after the 1950's—present purposeful similarities with the DO CO MO MO. Most of the architectural museums, like the Franklin Museum of Architecture and the Canadian Center for Architecture in Montreal, rehabilitate historic buildings to house their collections. But more importantly, these specialized institutions have not only preserved the actual material product of architecture—the building, they have also intensified the collection and preservation of architectural artefacts, such as drawings, models, sketchbooks and related written sources. Assimilating the artefacts with the buildings, these institutions have introduced a new procedure for the apprehension of "objects" of architecture. Conventionally, the objects of architecture have been identified by their material product, the immobile edifices. Thus, in the past, architects and writers have considered these edifices as the main tool of their educational, historical, and critical investigations. However, since architectural museums and specialized archives have emerged as a permanency in location, and as an institution, they have redefined the "meaning" of both architectural objects and artefacts. Instead of

representing the objects they depict—whether architectural artefacts, drawings, models, or sketches—they have become the new objects for investigation. Furthermore, the mobilization of the artefact through exhibitions and publications has broadened dissemination of the architectural image within the overall culture and within the discipline itself.

Institutions, such as the architectural museum, have redefined the disciplinary, cultural, and legal status of architectural objects. Architectural drawings, models, and written sources have come to be considered not solely as analytical tools and informative documents, but also as works of art in themselves. A drawing, signed by an architect, becomes an object in a museum instead of a representation of a legal responsibility. This process of redefinition raises questions about the changing status of these "documents." Architects' artefactual production, which used to be a private and/or professional activity, becomes significant both historically and culturally.

Architectural artefacts continually change their locations within and between private collections, galleries, archives and museums. Therefore, the perpetual dislocation of the artefacts necessitates the constitution of broader research into the various definitions of a "modern architectural object." The emergence of specialized institutions is significant because it can be perceived as the result of a growing interest in visual representation in the discipline. Or, it can also indicate changes at the level of architectural culture in general. ■

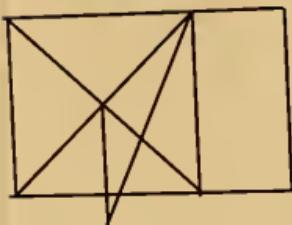
*For further reading on architectural drawings as works of art and on the meaning of signature in architecture and the relation between architect and work see Jill Laver and Margaret Richardson, *The Architect as Artist*, New York, 1984 and Francesco Dal Co, "In Consideration of Time" in *Archaeo*, Volume 1, ed. by Cynthia Davidson, New York, Rizzoli, 1991. Also see *Art After Modernism: Rethinking Representation*, New York, 1994.

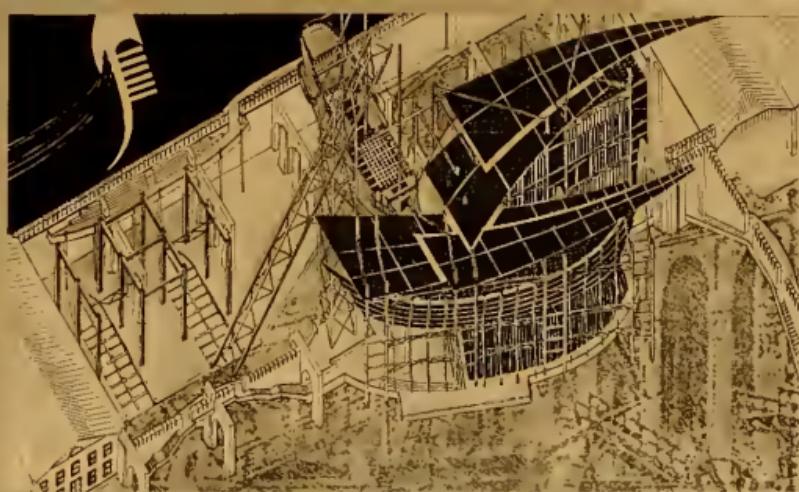
The Problem of the Angels*

By Hashim Sarkis, Lecturer, Department of Architecture

Halfway through *Distant Relations*, the author, Carlos Fuentes, confesses that the story he is recounting is different from the one being told to him. The difference is not a function of truthfulness or accuracy but that between two narratives. "There is a second, a contiguous, invisible parallel narration to every work we think unique." Fuentes turns this problem into a new possibility in representation. The story is about doubles, descendants, fathers and sons, namesakes who look for each other across cultures and continents and haunt and threaten each other's singularity. In writing a specific description of a fictitious character, the author chooses one representation against many others. These others do not disappear. They materialize in representations parallel to the one being selected. Every representation conceals, but at the same time asserts its other possibilities, the representations that it might be. The plurality that Fuentes uncovers is a general property of all acts of representation.

1





When I start a drawing I have no clear idea of what the final product is going to look like, so it is an exploration process. The drawings depict a homogeneous world which is the collage of many smaller heterogeneous worlds, unfortunately devoid of simplicity. As far as drawing technique is concerned, three dimensionality created by strong shadows and dark backgrounds put an emphasis on individual building components and how these discrete components come together to form a particular atmosphere. Also, there is use of symbolic details reminiscent of the context, either as architectural elements or just as a sign ornamenting the drawing.

Mural Gemen

M. Arch Thesis "The Arsenal of Venice: A Study on the Degree of Context-Conscious Architecture"

PAGE TWO

OLDS

1992

Welcome to Thresholds!

Thanks to the concerted work of editors Leah J. McGavern and Alona Nitzan-Shiffan and the design of Neil Harrigan, we launch what should be an engaging and lively forum for the voices of the Course for Architecture at MIT.

With collaboration of the students and faculty of the Department of Architecture and others at MIT, *Thresholds* can achieve an excellence that will make it a worthy representative of our school. Yet it is, above all, by and for our own community; its role is to recognize our activities and then to extend and intensify the discussion of our concerns. Please be responsive to the requests of the editors and, still more, seize the initiative to propose topics and to submit articles and designs. Make *Thresholds* vital to our program!

Stanford Anderson, Head, Department of Architecture

EDITORIAL

Thresholds is a renewal of the LMS newsletter, which was previously published on a weekly basis, primarily for the design students. The new, more substantial and less frequent publication, incorporates all groups within the department in order to strengthen communication among students and faculty, and to foster more dialogue between students and the larger architectural community. We also hope to present an image of the school of Architecture as a compounded whole, with strengths from within the theoretical, design, and research departments. The uniqueness of *Thresholds* will be its ability to generate art and architectural discourse from within the school, due to the multiple seams between its diverse components. Regarding these seams as joints, rather than as dividing lines, will enrich this exchange.

By pursuing a theme for each issue, we will highlight alternatively the different interests of the various groups within the school. This first issue on "representation" relates to the mini-series on "Section" within the spring lecture program, to which two reviews by Jeffrey Holmes on Robin Evans and by Samuel Isenstadt on Hans Milon are dedicated. Expanding the meaning of representation is discussed in two essays by Aysen Savas and Hashim Sarkis. The first essay examines the role of specialized institutions in changing the meaning of the architectural object, while the second essay demonstrates how, through expanding the meaning of architectural representation, one can arrive at a pluralistic ethic of habitation. The drawing as an exploratory or explanatory medium is at the core of Chris Evans' studio-oriented discussion and interview with design faculty.

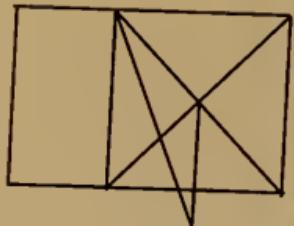
"MIT and the City," stemming from the faculty exhibition at the MIT Museum, is the topic of our next issue. We expect the preview critique in the present issue to solicit an extensive discussion, although not necessarily along the same lines. In addition, the question of public and private spaces will be engaged, hopefully both from within and from outside the discipline of architecture. We will also explore worldwide projects in which MIT students and faculty are involved in urban interventions.

The third issue will present the long-term "Third World" interest of MIT in light of the Post-Structuralist, Orientalist theories and the larger East-West discourse they generate. This will also be an opportunity to inquire into the Design for Islamic Societies program.

We thank our contributors for their thoughtful work. We invite further contributions within the framework of the themes. Any other material, including sketches, design projects, articles, reviews, or up-to-date listings of architectural events is welcomed. We are looking forward to future collaboration.

* To John Whigham

* For further readings on Nelson Goodman's position, see his *Ways of Worldmaking*, Hackett Publishing Company, Indianapolis, 1978 and *The Way the World Is* in Nelson Goodman, *Problems and Projects*, Hackett Publishing Company, Indianapolis, 1972. See also John Dewey, *Art as Experience*, Widegrave Pergree Books, New York, 1934.



The Editors



David Gipstein
M Arch Thesis "Interpreting
Structure Through Intuition: A Light
Rail Campus Crossing in Seattle"

PAGE THREE

Media or Means: A Discussion of the State of Drawing in the Studios of MIT, including interviews with faculty members Shayne O'Neil, Fernando Doméyko, and Maurice Smith

By J. Chris Evans

Fernando Doméyko tells a little story about the Greek gods Kronos and Ios Kronos, he says, is the god of time, abstraction rationalism thinking; Ios is the god of the instant, action, process, the present, doing. The academic world, Doméyko believes, has become too mired with teaching through abstraction and believes that architectural academic must go the way of Ios to recover its touch with reality. Although MIT has a national reputation as the academic bastion of process-oriented design, even after a relatively brief experience in the Department it is not difficult to find oneself questioning the Design Program's aura of "process" at least in terms of drawing. It seems unfortunate that a school which places such emphasis on process—methods of manufacturing design in order to inevitably improve the final product in the real world—chooses not to teach drawing as a part of its curriculum, especially when the faculty acknowledges that skills are standard and "getting weaker all the time" (Maurice Smith). All three faculty members I spoke with agreed that more could be done in teaching the relationship between drawing and design. Given that many Master's students do come into the Department without adequate skills, what is it that prevents MIT from teaching drawing? As Maurice Smith acknowledges some apprehension arises out of the potential surface emphasis and the problems of prioritization, MIT's staunch anti-Postmodernist stance only reinforces fears of drawing instruction leading to an emphasis on visually-oriented, surface architecture. At first this seems to be a reasonable concern, but it suggests that we do not have faith in what we teach. Others seem to feel that adding a drawing course would only take time away from the design studio, which assumes that you cannot learn about design in the process of learning to draw, and that we use our time as efficiently with or without the necessary tools for implementation. Finally, traditional conceptions of architectural education do not conceive of drawing instruction separate from a product-oriented or presentation-oriented instruction and usually take the form of art or drafting.

Shayne O'Neil advocates conceiving of drawing in the context of all representational media, and investigating all such media for their inherent qualities in relation to the architectural object. Basic knowledge of representation is a part of the basic skills of drawing, like other representational media, it is an abstraction through which we can record information about our world, but we need to be aware of its

uses, implications and limitations: we need a "critical awareness" of the techniques. "For example, what are the projected consequences that a model might have in opposition to drawing?" O'Neil notes that a drawing, by virtue of its 2-dimensionality, will tend to avoid early commitment in the choices of materiality, whereas a model will be more likely to do so. Smith in a similar vein, notes that the farther design gets from continuous surfaces, the more difficult it is for drawing to accomplish its task. Likewise, each type of drawing—plan section, axonometric, perspective etc.—has its own qualities and implications. O'Neil argues that there is not enough sectional investigation independent of plan and space-planning constraints, and that its dependency hinders sectional development. He also suggests that the choices students make of representational media can reveal a personal attitude towards a project, or towards design in general.

Doméyko teaches an understanding of drawing that goes beyond the knowledge of the different representational media. He advocates that students be encouraged to explore and discover their own agenda and perspective on the world through

drawing. "I don't draw; I explore." Every drawing should be part of the excavation of reality, an attempt to reveal qualities of physically, space and light. We therefore must begin with "the real" in order to design from real experience. Smith also advocates exploratory observational drawing and believes that students should draw those environments that are worthy of study to reveal their architectural qualities. While both agree that students should learn through drawing, to Smith observation is pre-supposed by the objective character of the world, whereas Doméyko's discovery is on a personal level: exploring and revealing one's own agenda in relation to the built object. In imagination, Doméyko says, must grow through experience. Thus he conceives his undergraduate 0.04 class as a laboratory for training students to be sensitive and understanding of their environment. For Doméyko this concern for experience and reality partly stems from the over-emphasis on vision and two-dimensional representation in modernity.

Arising out of the prevailing belief at MIT that the process of design never actually comes into consciousness, drawings considered as a product, as Smith describes them, "unmagical buildings," have become directly associated or synonymous with presentation drawings, where the emphasis is on technique and beauty. MIT has had a tendency to ignore product because of its perceived relation to presentation, yet there is a wide gulf that separates these two. O'Neil argues that there is an integral relationship between process and product, and Doméyko does not acknowledge any distinction—both believe that the product is a part of the design process. Doméyko and O'Neil do, however, acknowledge a certain confusion in the studios about the necessity of commitment and accountability in the exploration of issues. Product is part of the design process because it encourages commitment to ideas, which only arise out of the consideration of a range of possibilities. There is, according to O'Neil, a certain precision and rigor that emerges from the product. It tends to be more explanatory than exploratory, but only through the process of decision-making. It is not representation for presentation, but representation of concern. Design is more than just being able to put down ideas, and includes putting ideas in a place to be scrutinized and criticized; process includes dialogue. On the other hand, dialogue has often been allowed to substitute for personal student development. Process without accountability leads to the continual deferral of information, and discussion in reviews more often arises out of what has not been explored than what has been. "If you don't have to decide," says Doméyko, "you don't know." Product-oriented drawing is part of the exploratory process by 1) avoiding the deferral of information and 2) forcing commitment and thus forcing another level of thinking in the decision-making process—a part of the process that is a part of the real world. Those who would oppose one to the other—process to product—would limit the range of design thinking.

But, alas, MIT provides students with a convenient outlet from this dilemma of commitment, known as "tearing paper" out, burned etc. I believe the status of drawing at MIT has evolved into a product-oriented drawing under the guise of process drawing, or what I will call—borrowing a term from William Kirby Lockett—design drawing. Trace, as an explanatory and therefore non-committal medium, in conjunction with MIT's devaluation of the product, masks the continual deferral of information. The result is often vague and ambiguous architecture. Those students without significant drawing experience, and thus without a developed confidence, automatically appropriate drafted objective methods to structure their process. These students are unable to escape the limitations of the drafted medium, and thus are not presented the opportunity to

explore reality through their own agenda. Thus, drawing methods that tend to be explanatory by nature are used in the exploratory process, and produced on an exploratory medium. There is an assumption that trace as a medium means "in-process," but trace has derived into a symbol of process. Trace has become a medium of expression, not a means to an end.

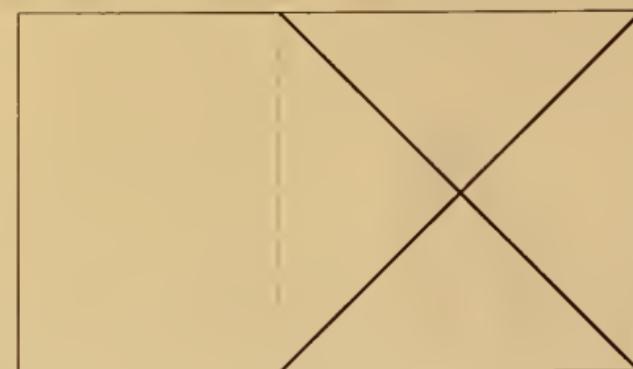
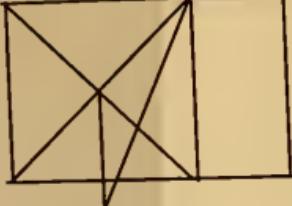
In opposition to typical conceptions of drawing instruction, I would like to propose an alternative method of teaching drawing as an integral part of the MIT design program, but also expanded beyond Doméyko's 0.04 undergraduate class. Not unlike Smith's conception of a working method that parallels the design method, we need to develop and teach a drawing process akin to a thinking process: "as the visual or graphic component of reason" (Lockett, William Kirby, *Design Drawing*, p.7-8). By considering drawing as a means to design rather than as a medium of expression, our instructional focus shifts—as does our whole attitude towards drawing.

"As DESIGN DRAWING, drawing must be deliberately tentative and exploratory, (and) malleable. Design drawings should be made in a cognitively determined order, leaving the communication to the designer himself (and only secondarily to others), essentially accurate but only internally structured—miming any new graphic means. Drawing used correctly in the design process is an exhaustively exploratory means toward a real product. The drawings have no real value in themselves, only in their relationship to the design decision-making process. The most valuable kinds of design drawings are those which suggest more drawings—which extend and shape the design process" (Lockett, p.10).

Lockett, an MIT graduate, argues that design drawing must substantially consist of freehand drawing, because its fluid and subtle characteristics may imply certain understandings that the strict and absolute character of drafting does not. He also emphasizes the overlay process, which encourages the addition of layers of information as opposed to drafting which often wastes precious time trying to remove information via the electric eraser. Design drawing also includes principles and methods of perspective, which do not depend on orthographic drawings. The educated freehand is thus also more efficient. In the exploratory process, representations must be presented to the designer at a pace which can keep up with his evaluation and recognition processes. Speed in drawing, in my experience, comes after accuracy and, rather than frenetic hand speed, is more a matter of confidence and wisdom" (Lockett, p.12).

Exploratory, O'Neil would argue, is one of drawing's inherent qualities. It is my contention that the students lack of confidence in exploratory media is a significant cause of the seemingly unproductive approach to design currently pervading the design studios.

All three faculty members agree that skills and media must be taught concurrently to be productive. But as Doméyko notes, there are limitations to what any design studio can accomplish during the course of a semester. Certain foundations must be laid for students early on in the program so that they may begin their own exploratory agenda to the design studios. Thus, such a course might include instruction through observational and exploratory drawings, discussion regarding the qualities, implications and limitations of different representational forms, and most importantly, the basic skills and ideas of design drawing. One thing is clear to myself and the faculty members I spoke with: the weaknesses in students' drawing skills and understanding are inhibiting design. Just as significant, MIT has provided students with a way of circumventing this problem, making it even harder to better. We can only conceive and produce that which we can represent—and if the tools for representation are limited, so too will be the limitations of what is produced. As critics, we need to be willing to hold students as accountable for what they don't put down on paper as we do for what they do put down, encouraging students to see beyond such limitations. And as students, we need to be our own worst critics. ■



Why Make Models?: In Response to Henry Millon's "Section: Architectural Models of the 16th-18th Centuries"

By Samuel Eisenstadt

Why make models? Why substitute what can be well and nicely imagined with an approximation that is crude by comparison? Compared with drawings, models are expensive and slow. They require the collection of a variety of model materials and fastening strategies which have only tenuous relations with the building materials they designate. They also introduce gravity, a constant foreign to the process of drawing and, in fact, poorly explored with the materials and methods of architectural modeling.

Despite this, building models have been a mainstay of architectural practice for millennia. Henry Millon, founding dean of the Center for Advanced Studies in the Visual Arts in Washington, D.C. and Visiting Professor at M.I.T., covered three centuries of this history in his talk on the evening of March 17. In addition to models, he discussed a variety of other representations of architecture. His historical investigations grappled with and relied upon such models in order to arrive at an understanding of objects no longer extant.

In a similar fashion, the architect, in the 16th, 17th and 18th centuries at least, had to circulate his imagination through a variety of representations in order to understand an object that had not yet come to be. In fact, Alberti, the 15th century architectural theorist, had explicitly advocated the use of models along with drawings. "Always recommend the ancient builders practice by which not only drawings and pictures but also wooden models are made, so that the projected work can be considered and reconsidered with the counsel of experts, in its whole and in all its parts" if the model's capacity to be considered from multiple viewpoints—physically as one moves around it or in the case of the giant, late 15th century model of Pavia, through it and, socially, as the design project is viewable by such a "council of experts"—then recommended its continued employment by architects, despite the additional demands on time and resources.

The sectional model, in particular, exceeds the capacity of drawings in several significant directions. As Millon pointed out, the section through Michelangelo's well-known drum and dome model begun in 1558 was taken at the drum windows and thus allowed careful investigation of the relations between interior and exterior systems of ornament. Barbara Neumann's model for the church of Vierzehnheiligen is split longitudinally. This privileges not only the processional movement along the church's main axis but also demonstrates the essential unity underlying Neumann's unconventional experiments with space (it says little, however, about what must have been significant structural issues). In the case of additions or alterations, where the actual presence of an existing building seems to resist an adequate mapping onto two-dimensional drawings, Millon noted again an interest in sectional models such as that built in the early 16th century for the cathedral at Como.

The model externalizes the imagination in a form that is fixed. It materializes what had previously been conjecture. Realizing this, Brunelleschi, according to his biographer, jealously guarded his architectural innovations by allowing errors in his models, which he would correct in the execution. On the other hand, the clarity and stability of form was precisely what Michelangelo counted on to him, once he had completed the model, from the need for supervising the construction of St. Peter's dome. Once fixed in such a way, of course, a design is liable to criticize Michelangelo's model of the drum and dome was itself "corrected" some time after his death. In addition, the model precisely inasmuch as it represents something built, can also represent legal ownership of a building, or of a city. As was the case with many of Millon's examples, the model was commissioned in order to confirm and display the possession of actual power and authority.

However, this is not the only quality of models. A complementary theme of Millon's presentation was the integral role that models of all types played in the process of design, implementation, understanding and eventual alteration of architecture. At some level of thought and at several points in time, architects recognized the contribution of models to the conceptualization of architecture. The process of making models offers another means of engagement with form beyond contemplation, providing an opportunity to employ kinetic sensibilities beyond the reach of the purely visual. The continuing investigation, by architects, of kinds of models is due less to any distrust of the imagination or to a reliance on a posturist appeal to the direct agency of the eye, than to the desire to further the imagination, to bring it along with the model and eventually the built project, to higher and higher levels of articulation. The process that the individual architect goes through, circulating a design through the various modes of representation in order to probe the possibilities of both the medium of the model as well as the possibilities of architecture recapitulates the process the emerging architectural profession went through over the course of three centuries, circulating its projects through a variety of kinds of models in order to arrive at, or perhaps to forever defer, consensus on the most appropriate modes of architectural representation. ■

Projections

On Robin Evans' "Sections, Pictures and the Imagination"

By Jeffery Holmes

For centuries Western thought has confronted the problematic relationship among the subject, the object, and the representation of that object. Perspective drawing, the form of representation with which we are perhaps most familiar, developed in the 15th century to rationalize quantity and control both objects and space. It marked the rise of a new "subject of consciousness" in modern European philosophy equivalent to the "cogito ergo sum" of Descartes. Perspectives assigned to the spectator the place of the sovereign from which to assume the sphere of his dominion—the dimension of his knowledge, and the extent of his power! Perspective drawings were truth-conveyors, the definition in space of the relationship between the knowing "I" and the objective "not-I".

Though the perspective drawing may still be lauded as the great apogee of Western eyes, other forms of representation were also being developed in the 15th and 16th centuries. In his lecture, "Sections, Pictures, and Imaginations," Robin Evans emphasized the renewed interest in orthogonal projections during this period. Unlike the perspective, orthographic projections do not correspond to any aspect of our perception of the real world. Plans, sections, and elevations refer only to the sheet of paper itself and are therefore more abstract and anamorphic systems of representation. The great advantage of this type of projection is that it preserves more of the shape and size of what is drawn. "It is easier to make things from them to see things with"! In fact, much of the interest in orthogonal projections arose because they could be used to construct perspectives from drawings alone. As a design tool, orthographic drawings slipped into the category of mere technical facilitator. It no longer mattered what you drew as long as it was correct.

A growing demand for precise three-dimensional graphic tools of the functioning and buildability of architecture in the 16th century created interest in the parallel projection, a form of representation dating back to ancient China. It was the measurability of the parallel projection which brought it to the fore, a projective's lateral trajectory had to be described with the same precision as the bulkworks built in it. In this case, the imperfection of an image could mean the loss of an entire army. The parallel projection further entrenched drawing in the realm of technique. Abolishing the subjectivity of the viewer, parallel projection represented our increasing alienation from the material world.

In the 19th century, the use of parallel projections in descriptive geometry furthered the research into more powerful, more abstract, and



more generalized techniques of architectural drawing. As a mathematical set of rules which makes it possible to describe any conjunction or intersection of geometrically consistent forms in space with a minimum of information and construction, descriptive geometry helped abolish not only subjective experience but substance itself. It marked the complete determination of architectural drawing by geometric means. By the 20th century, drawing seems to have come to a final, instrumental and refined end.

Evans referred to our present condition as the "tyranny of the picture." There have been two distinct reactions to this: to hold on to any remaining "truth" by abolishing the object and retreating into the "autonomous" realm of drawing, or to return to direct, "authentic" experience by abolishing representation itself. Both positions are characterized by the lament of a lost unity between the subject and the object, but fail to recognize the active relations between ourselves and the world. Objective relations can only become human if we ourselves are conscious of them as such. Drawing, precisely because it arrests perception and negates further subjective experience, confronts us with limits: limits us to recognize our real objective conditions, and establishes the preconditions for intranscendence. In other words, commanding us to paper the mapping procedure for the real thing enables the invention of other realities. Evans' lecture centered on how both Gwinn and Mes van der Rohe, using highly constructive means of representation, were nonetheless able to "look through" the drawing and create something beyond image, beyond experience and beyond the present reality. The principal locus of conjecture in architecture becomes the drawing. Though expression of the objective world first leads toward alienation, Evans realized that we can attain a freer reality only by surmounting our alienation and returning from our estrangement. ■

The third lecture in the mini-series "The Discipline of Architecture, the Section" will be George Ranalli, "Section in Autonomous Structure," Tuesday, March 31, Rm 10-250, 6:30 p.m.

A PREVIEW

The following review is expected to solicit discussion reflecting diverse points of view, for inclusion in the subsequent issue.

"MIT Thinking the City"

Reviewed by Ikemefuna Okoye

'Get outta my way Clean Nigga'
Before I gets to ya
This ain't no Copley Square

Homeless African American Man to the present writer (April 1990 the Southend, Boston)

Having first been through *Thinking the City*, it is instructive to continue walking till one gets to the other exhibition drawings and representations of the microchip, magnified some 200 times, and revealing its complex structure. I do not suggest this because one necessarily agrees with MoMA that these representations of the silicon microchip are works of art, and thus as collectible as Sant'Elia drawing of the Futurist City might be. Nor is it recommended simply because the microchip exhibition is curated by somebody who goes by the title of Associate Curator of the Department of Architecture and Design! It is also obvious, I hope, that the suggestion has nothing to do with the resemblance between the microchip's architecture and the imaginable urban plan for a future city future city multiple-exposed so as to reveal the intricacies and the traces of illuminated motion at dusk, bringing back memories of early 1980's avant-garde experimental video or the film *Koyaanisqatsi*!

Rather, I make the suggestion on that you cross the bridge, or whatever the object is between Fernando Domínguez's *Connecting Differences: Bridges in the City* and the exhibition of microchip drawings, because that particular experience clarifies the differences between the separate ways in which the projects approach the question of how to understand the dynamic between the form and the content, or meaning of the city.

Of course, form and content would be an inaccurate characterization of what the city is about, as seems to be recognized by the careful choice of the term *Thinking*, as opposed to space Kevin Lynch. Imaging the city. Nevertheless, common to many of the *Thinking the City* projects, projects, analyses, is an assumption, that architecture as a practice has priority in the structuring of the forms in which the city is aligned, or in which it is constituted and reconstructed in time. It is understandable that the architects of early modernism bought into such an illusion, failing to understand the instrumentality of the situation which catapulted their practice once again, and briefly, to a supremacy. We may therefore sympathize with their failure to anticipate the crisis which was bound to follow, and which Manfredo Tafuri's polemical work *Architecture and Utopia* has captured so essentially, in part by recognizing that the crisis lies also within architectural representation (or imageability) itself.

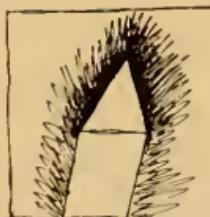
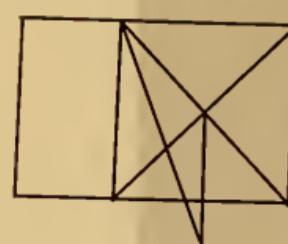
Today however, one ought not take the question of power for granted, as if, oblivious to recent historical research we claim an efficacy for representation which is not proper to it. (Frieden's and Sagalyn's *Downtown Inc.: How America Rebuilds Cities* (1991) is perhaps a recent non-pessimistic example which unlike previous work does not see evil intention in anything driven by profit)

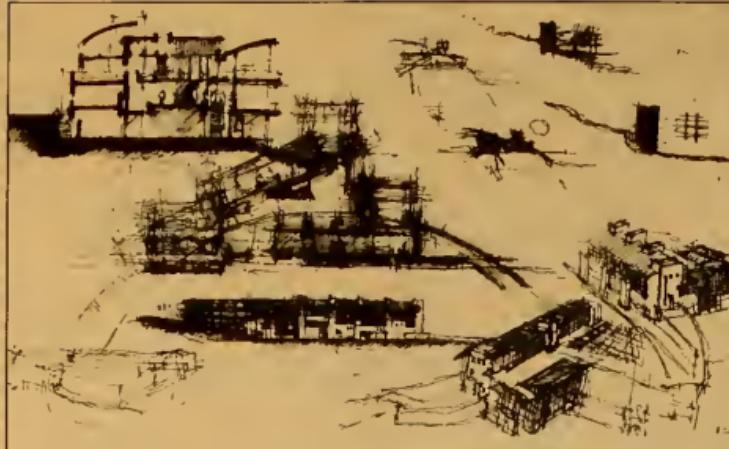
For what seems to pervade some of the presentations in the exhibition is a nostalgic conception of the city primarily as a formal and physical object whose most essential reality is recognized in surfaces, boundaries and connectivities. Thus concerned, the city is apparently easily understood and even controlled by those who represent it as it is, or as it may be.

Completely absent, if one excepts Shayne O'Neil's cryptic but appropriately pessimistic work, is the notion that the city exists also at other non-physical levels and the irony that as such, its traces are fleeting and not representable by such

4

(Continued on page 6)



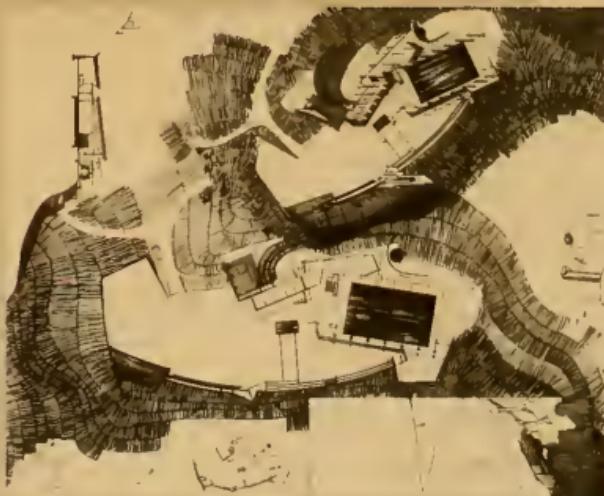


How does a building exhibit clarity in its entirety while simultaneously providing complexity and richness of experience? This drawing, done on one sheet in a few hours, shows a method I used to synthesize the issues present in this dilemma. By looking simultaneously at issues of site, program, structure, etc., from many different perspectives, drawings become solutions that begin to address the concepts as well as the detail. The clarity that comes out of this method of drawing is achieved through the synthesis of multiple ordering systems, and complexity is a byproduct of this synthesis.

Julia Nugent
M Arch. Thesis: "Clarity and Complexity Designing for an Educational Community"

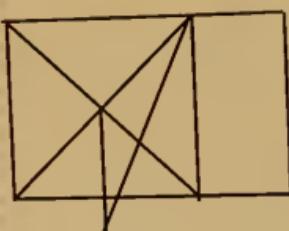
This drawing is titled "The Big View". It is one in a series of eight drawings that I used to explore the qualities of my thesis site. These drawings are concerned with site issues and architectural issues. They attempt to get at them in a way that is outside of the conventions of architectural drawing. I see them as unsensored blotters that can contain layers of doodles, notes, images, and colors.

Cynie Linton
M Arch. Thesis: "Claiming the Urban Industrial Landscape"



"It is important to realize that it is not what we draw; rather it is what we see. However, through drawing what we see we return to the world of the physical. Drawing what we see becomes not only part of our visual memory but also part of our motor memory. Along with drawing comes an understanding that it is not only cognitive but physical."

Daniel Johnson
M Arch. Thesis: "Building, Landscape, and Section"



This sketch was drawn very early in the process of my thesis. In sketching it I was attempting to place myself in the landscape that was very distant from me physically but strong in my memory visually and experientially. It is entitled, "Headed Home Just After Sunset, Rt 128, Yelo County".

Albert Vallecillo
M Arch Thesis: "The Dream is a Lie, But the Dreaming is True"



CALENDAR

NOTES

Reminder to Faculty

Please return revised biographies to Headquarters or a member of the Orientation Committee as soon as possible.

Students

If you are interested in giving tours to incoming 1993 students please see/call Jean Sucharewicz in Headquarters (258-8436). Remuneration will be provided.

Intern Development Program (IDP) Resource Packages

Packages for 1991-1992 are available in the Career Services Office, Rm.12-170.

Thank You ...

Over IAP three students - Alex Van Praagh, Andrew Russin, and Jean Pierre Parmas contributed their time and energy to make new tables and additional seating in the Cafeteria in Bldg. NS2. Thanks from all of us who enjoy the added support and surface area.

ROTC Moves On-Site for Spring '92

ROTC has come to your studio space. On February 10 Rotch Library and Rotch Visual Collections opened an office in NS1, Rm. 349, x3-1422, with office hours Monday—Thursday, 11:00 to 1:00.

Our term-long visit will provide us with a picture of your instructional and research needs. We want to find out what literature, slides, videotapes and other resources you may need for presentation and research. Look forward to:

- consultations
- demonstrations
- computerized literature searches
- thesis prep
- book drop in NS2

We're calling this collaboration between the Dept. of Architecture and MIT Libraries **ROTC AT THE EDGE**. Here is the team:

Katherine Poole, RVC Librarian
 Michael Leininger, Architecture Librarian
 Mary Clare Altenhofen, Art and Art History Librarian

Omar Khalidi, Aga Khan Librarian
 Renee Chow, Asst. Prof., Faculty Liaison
 Jane E. Lee, M.Arch., Program RA

- **31 March**
Lecture - MIT Department of Architecture Lecture Series, Rm.10-250, 6:30 p.m.
 George Ranalli, Architect, New York, "Section in Autonomous Structure"
- **1 April**
HTC Forum, Rm.6-233, 11:00 a.m.
 George Ranalli
- **2 April**
HTC Forum - Rm.3-309, 5:30 p.m.
 Stanislaus von Moos, University of Zurich, "Giedion and Mumford"
- **3 April**
Lecture - Environmental Design Forum, Rm.10-485, 12:00 Noon
 Bill Hillier, author of "Social Logic of Space"
- **7 April**
General Meeting
- **8 April**
Lecture - GSD, 6:00 p.m.
 Itsuko Hasegawa
- **9 April**
Interim Review - NS2-419, 2:00 p.m.
 DAWOOD College Outreach Studio
- **9 April**
HTC Forum, Rm.3-309, 5:30 p.m.
 Eva Blau, Bunting Institute, Radcliffe College, "Revolution or Architecture: The Building Program of Red Vienna"
- **14 April**
Lecture - MIT Department of Architecture Lecture Series, Rm. 9-150, 6:30 p.m.
 Andrea Lers, Architect, Boston, "Material, Form, and the Aesthetic of Construction"
- **15 April**
Lecture - GSD, 6:00 p.m.
 Michael Brill
- **22 April**
Lecture - GSD, 6:00 p.m.
 Frank Gehry
- **23 April**
HTC Forum, Rm.3-309, 5:30 p.m.
 Micha Bandini, Head, Dept. of Architecture, North London Polytechnic, "On David Harvey's Postmodernism"
- **28 April**
Lecture - Arthur Schein Lecture
MIT Department of Architecture Lecture Series, Rm.10-250, 6:30 p.m.
 Joseph Paul Kleihues, Architect, Berlin, "Berlin: City of Enlightenment"

customary means as the architectural drawing and model (The idea of the Unbuildable Remainer parcel, and, the resistance to a commodity definition of space is, incidentally, much more interesting than the resolution as developed by Shreve in the realms of perception) Though we may find irony in the seemingly endless plethora of Japanese competitions troubled by the difficulty of representing this new city, we may at least concede that their notion of the Information City is and will continue to be (shudder if you must, especially if you find Reiter's drawings seductive) more real for most American city dwellers than those we attempt to represent. Not coming to this realization relegates the projects and ideas represented in the exhibition to a place in which they appear anachronistic. Even if, for example, both John and Margaret Myers' *Thoughts On Urban Community* and Jan Wampler's *Space Between* recognize the cultural network of which architecture is only a part, they nevertheless analogize the relationship across the various components of culture. For the Myers, attached buildings mean attached places, mean attached communities. For Wampler, 'positive' spaces in between buildings will provide mirrors of a culture whose reflection, being ultimately of ourselves, we will like to see. But, architecture as an ideological form does not operate so transparently. Hand-in-hand brownstones may hide violent histories of displacement as illustrated by the gentrification of the inner city which not so long ago had been transformed into the preserve of the poor. In Boston for example, Copley Place and the South End, and the intervening positive space between them, have undergone just this transformation. If this fact may be lost on some of its current residents, it certainly is not on its now refugee former residents, in whose context, having assumed I was a new middle class resident, the encounter quoted at the start derives

And lest the point of the critique made here still remains vague, it may be worth asking ourselves the question: whatever happened to Beacon Hill's African Americans? Why is their memory now only preserved in the African Meeting House? Why do many Black people, en route to this meeting house today experience the querying stare which seems to ask: What are you doing here?

The irony of visual queries such as the one above, occurring where newer residents are estranged from, and fail to recognize, the older ex-residents who may have been expelled from nice brownstones on the former's behalf, did not seem to be addressable in the projects presented to us (not even by Reiter's formalization of the problem). This fact gives us entry into the relevance of the microprocessor exhibition mentioned at the outset. That exhibition was organized as a series of rooms, complete with silicon-chip like Iranian carpets, couches, and the strains of what sounded like Mahler waltzing

into the space. One could almost have been in the living room of a well-heeled member of the upper-middle class. Only the Port decanter was missing.

Accompanied by this most civilized of music, one is struck by the function to which the beautiful drawings are actually put. This one for a more accurate targeting of a US Navy guided-missile radar system, that one for an infernally precise homing device to this or that millimeter shell gun for a US Marine tank. The irony of heavenly music accompanying so beautiful a representation of banality, is (one hopes) a purposeful one. That is, one is persuaded to believe that this curator of Architecture and Design, recognizes the more fatal aspects to the illusion which representation acquires in the practical arts (as opposed to the visual arts), a paradox she seems to want to communicate. A sense of paradox, moreover, which needs recovery in architecture. If practice is ever again to be authorized to make

Proposals.

This sense is missing from the religiosity of many of the *Thinking the City* exhibits, where the inherent slippage between what is being represented and the representation itself, whether visual, literary or social, does not seem to be acknowledged. The symptoms already exist in Reiter's metaphor of the wall as separator within the urban fabric, even one that separates the wealthy from the disadvantaged, where he believes that the confessional really is about listening. This misses the fact that the confession is a ritual, in which the words are spoken, at a disembodied listener, and, therefore, it is a representation of listening rather than an interactive conversation where listening takes its proper form.

However, other exhibits, especially Maud Smith's seem concerned neither with representation nor with the city as such. Thus, if we imagine what the implications of critical, uncompromising and uncompromised engagement with program and material are for the city, we could be saved—perhaps inadvertently, but nevertheless, thankfully—from too much confidence in the graven image and from the persistence of the ominous. ■

